

# Vicky Gupta

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[LinkedIn](#) | [GitHub](#) | [GFG Profile](#)  
[LeetCode](#) | [HackerRank](#)

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## Career Summary

Motivated software enthusiast with a strong grasp of programming concepts and problem-solving skills. Passionate about technology, teamwork, and continuous learning. Seeking opportunities to contribute meaningfully and grow professionally.

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## Education

<b>MCA</b>	Cochin University College of Engineering, Kuttanad (CUCCK), Kerala CGPA: 8.08*	2024 – Present
<b>BCA</b>	Indian Institute of Business Management (IIBM), Patna — Affiliated to AKU, Bihar CGPA: 8.5	2020 – 2023

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## Skills

**Programming Languages:** Java, C

**Web Development:** HTML, CSS, JavaScript

**Databases:** MySQL

**Developer Tools:** IntelliJ IDEA, VS Code, Postman, MySQL Workbench, Git, GitHub

**Concepts & Practices:** Object-Oriented Programming (OOP), Monolithic Architecture, Version Control

**Relevant Coursework:** Data Structures, Computer Networks, Operating Systems, Database Management Systems (DBMS)

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## Projects

### Student Library Management System

*Java, Spring Boot, REST API, MySQL, JPA, Hibernate, HTML, CSS, JavaScript*

- Built a full-stack system with a REST API backend and a simple frontend (HTML, CSS, JavaScript) for managing library activities like book issue, return, and student records.
- Followed a layered architecture (Controller, Service, Repository) in the backend to keep the code clean, modular, and easy to maintain.
- Implemented JPA and Hibernate for database operations, with DTOs and converters to ensure smooth data transfer.
- Added features like pagination (to handle large lists), data validation, and exception handling for reliability.
- Designed a user-friendly frontend with forms and tables using HTML, CSS, and JavaScript to interact with REST APIs.
- Integrated frontend with backend REST APIs for adding/viewing students, issuing/returning books, and managing records.
- Tested APIs using Postman and managed dependencies with Maven.
- Helped make library operations faster, easier, and more organized through a structured full-stack system.

### Simple Java Payroll System

*Java, OOP (Abstraction, Inheritance, Polymorphism)*

- Developed a Java console-based payroll system to demonstrate core OOP principles such as abstraction, inheritance, and polymorphism.
- Implemented employee management features, allowing users to easily add or remove employees with clear object representation.
- Designed a polymorphic salary calculation system that automatically handles different rules for full-time and part-time employees.
- Ensured the codebase was modular and maintainable by using an abstract base class (**Employee**) with specialized subclasses.
- Displayed employee details and computed salaries through a simple and user-friendly console interface.
- Helped showcase how object-oriented programming can simplify real-world applications like payroll management.

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## Certifications and Activities

- **Coding Profiles:**
  - Solved 150+ problems on [GeeksforGeeks \(GFG\)](#)
  - Solved 100+ problems on [HackerRank](#)
- **ADCA – Advance Diploma in Computer Application** — [Certificate Link](#)

- **Other Interests:**

- Event Management
- Alumni Cell Coordinator
- Teamwork
- Leadership